

## CLAIMS

1. A recombinant Sendai virus containing a genome having a desired foreign gene inserted, or a desired gene deleted or inactivated, but retaining the disseminative capability.
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2. The recombinant Sendai virus of Claim 1 in which one or more than one gene encoding functional proteins are altered.
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3. The recombinant Sendai virus of Claims 1 or 2 comprising a foreign gene capable of being expressed in hosts.
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4. An RNA molecule comprising RNA contained in the recombinant Sendai virus of any one of Claims 1-3.
5. An RNA molecule comprising cRNAs of RNAs contained in the recombinant Sendai virus of any one of Claims 1-3.
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6. A kit comprising
  - a. a DNA molecule containing a template cDNA capable of transcribing RNA of Claims 4 or 5, and
  - b. a unit capable of transcribing said RNA of Claims 4 or 5 with said DNA as template *in vitro* or intracellularly.
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7. A kit comprising
  - a. a host expressing the NP, P/C and L proteins of Sendai virus (each protein may be replaced with a protein of an equivalent activity), and
  - b. the RNA molecule of Claims 4 or 5.
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8. A method for producing the recombinant Sendai virus of any one of Claims 1-3, comprising transfected RNA of Claims 4 or 5 to a host expressing the NP, P/C and L proteins of Sendai virus (each protein may be replaced with a protein of an equivalent activity).
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9. A kit consisting of the following three components,

- a. a host expressing the NP, P/C and L proteins of Sendai virus,
  - b. a DNA molecule containing a template cDNA capable of transcribing RNA or cRNA of any one of Claims 4 or 5, and
  - c. a unit capable of transcribing RNA of Claims 4 or 5 with said DNA as template in vitro or intracellularly.
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10. A method for producing the recombinant Sendai virus of any one of Claims 1-3, wherein said method comprises introducing a DNA molecule containing a template cDNA capable of transcribing RNA of Claims 4 or 5, and a unit capable of transcribing RNA of Claims 4 or 5 with said DNA as template in vitro or intracellularly into a host expressing the NP, P/C and L proteins of Sendai virus.
15. A method for producing a foreign protein, comprising a process of infecting a host with the recombinant Sendai virus of Claim 3, and recovering expressed foreign proteins.
20. A culture medium or chorio-allantoic fluid containing the expressed foreign proteins obtainable by transfected the recombinant Sendai virus of Claim 3 to a host, and recovering said culture medium or chorio-allantoic fluid.
25. A DNA molecule for expressing a protein encoded by a foreign gene integrated into a Sendai virus vector comprising said foreign gene inserted downstream of a promoter in an (antisense) orientation for the transcription of antisense RNA encoding said protein and said promoter.